

# Save Code list for future reference

Refer to the setup procedure below and look up the 3 digit code for your brand of TV, VCR, etc., from the list below. Refer to the Owner's Manual for your remote for more information.

## Direct Code Entry

1. Press and hold the **CODE SEARCH** button until the red indicator stays on, then release the **CODE SEARCH** button.
2. Press and release the desired Mode button (TV, VCR, etc.). The red indicator blinks, then stays lit.
3. Enter the 3 digit code from the code tables. Note: after a valid code entry, the red indicator turns off. For an invalid code, the red indicator flashes.
4. With your device on, press **CHANNEL UP**. If the device responds, no further programming is required. Note: If some buttons do not operate your equipment, try one of the other codes for your brand.

## Code Search (by Brand)

Lets you search for a code for a specific Brand within the Code Library for a particular manufacturer.

1. Turn on the device (TV, VCR, etc.) to be controlled.
2. Press and hold the **CODE SEARCH** button until the red indicator remains on, then release the **CODE SEARCH** button.
3. Press and release the desired Mode button (TV, VCR, etc.). The red indicator blinks off once.
4. Press and release the numeric button (0-9) corresponding to desired Manufacturer (see table below). Note, pressing "0" performs a full library search same as Complete Library Code Search Method.
5. Press the **CHANNEL UP** button ((or **POWER** or **PLAY** (VCR only))) repeatedly until the device to be controlled changes channel.
6. Press and release **MUTE** to install the code.

Note, when all codes under a Brand have been searched the red indicator flashes rapidly for 3 seconds.

## Complete Library Code Search

If after trying "Direct Code Entry" or "Code Search (by Brand)" your product does not respond, or if your brand is not listed, try doing a complete search of the code library for your code by following the steps below.

1. Manually turn on the device (TV, VCR, etc.) to be controlled.
2. Press and hold the **CODE SEARCH** button until the red indicator stays on, then release the **CODE SEARCH** button.
3. Press and release the desired Mode button (TV, VCR, etc.). The red indicator blinks, then stays lit.
4. Press the **CHANNEL UP** button repeatedly (up to 300 times) until the device to be controlled changes channel. The red indicator blinks, then stays lit.
5. Press and release **MUTE** to install the code.

Most users will want to store VCR codes under the **VCR** button, Cable codes under **Cable**, etc. If you want to store a VCR code under **Cable**, etc., first follow the procedure for Direct Code Entry and press **Cable** in step 2 of Direct Code Entry, then enter ANY VCR code in step 3 of Direct Code Entry. Then follow the steps above for Brand Search or Complete Search.

## Brand Search Table

Look up your brand in the appropriate column (TV, VCR, etc.) in the table below. Look for the digit (1, 2, 3, etc.) that applies to your brand, and enter it in step 4 of "Code Search (by Brand)."

Digit	TV	VCR/DVD/DVR	CABLE	SAT/DBS	CD/AUDIO
1	Zenith	Zenith, Apex	Jerrold	Zenith, Gemini	Zenith
2	Philips, Magnavox	Marantz, Philips, Magnavox	Tocom, General Instrument	Philips, Magnavox	Marantz, Philips, Magnavox
3	Sony, Panasonic, Sharp, Toshiba, Daewoo	Sony, Panasonic, Sharp, Toshiba, Daewoo, Yamaha, Denon	RCA, GE, Proscan, Pioneer	Sony, Panasonic, Sharp, Toshiba, Technics, Sharp, Toshiba	
4	Hitachi, Sanyo, LG-Goldstar, Samsung, JVC, Mitsubishi	Hitachi, Sanyo, LG-Goldstar, Samsung, JVC, Mitsubishi	Zenith, Gemini	Hitachi, JVC, Samsung	Hitachi, Sanyo, JVC, LG-Goldstar, Samsung, Mitsubishi
5	Sylvania, Fisher, Curtis-Mathes, Emerson	Sylvania, Fisher, Curtis-Mathes, Emerson	Philips, Magnavox	General Instrument, Echostar, Dish, Hughes, Prismstar	Sylvania, Fisher, Curtis-Mathes, Emerson, Optimus
6	N/A	N/A	N/A	N/A	Pioneer, Teac, Nad
7	N/A	N/A	N/A	N/A	Kenwood, Yamaha, Denon, Onkyo
8	RCA, GE, Proscan	RCA, GE, Proscan	Scientific Atlanta	RCA, GE, Proscan	RCA, GE, Proscan
9	N/A	N/A	N/A	N/A	
0	ALL	ALL	ALL	ALL	ALL

## TV

FISHER	506 522 606 619 902	NEC	002 102 110 111	SQUAREVIEW	520	CRAIG	230 425 426 525
FUJITSU	206 321		502 510 602 901	SSS	002 805 906	CURTIS MATTHES	025 124 130 226
FUNAI	117 206 421 520 805 906	NIKEI	805	STARLITE	906		324 425 526 635 725
FUTURETEC	805 906	NIKKO	002 407 502	SUPREMACY	019	CYBERNEX	425
GE	002 006 007 018 107	NTC	407	SUPREME	801	DAEWOO	026 625 626
	114 310 312 502 601 704	ONKING	805	SYLVANIA	002 009 109 117		726 825 826 926
	719 803 806 810 901 911	ONWA	805 906		209 309 402 408 421 502	DBX	025 436
AIKO	407	OPTIMUS	120 618		508 520 717 807 914 917	DIMENSA	124
AIWA	121 221	OPTIONICA	111 918	SYMPHONIC	117 421 520 904 906	DYNATECH	324 726
ALLERON	206	ORION	105 115 713	TANDY	918	ELECTROHOME	027 525
AMARK	603	PANASONIC	007 107 416 608	TATUNG	901	ELECTROPHONIC	525
AMTRON	906	PHILCO	002 009 102 109 309 402	TECHNICS	007 107	EMERSON	027 028 127 128 130
AKAI	801		408 502 508 807 901 914	TECHWOOD	002 007 107 502		226 227 228 247 324 325
AMSTRAD	520	PHILIPS	002 009 020 109 122	TEKNIKA	002 019 102 112		625 626 627 628 630 634 724
ANAM NATIONAL	104 805		202 209 402 407 502 512	TELECAPTION	313	FISHER	025 029 032 129
	901 906 920		601 618 701 805 902 906	TELERENT	601 701		328 330 426 428 928
AOC	002 003 102 119			TERA	002 220	FUJI	130 226 524
	217 302 502 814			TMK	002 502	FUNAI	324 247 726 924
ARCHER	603			TOSHIBA	112 313 413 419 506	GARRARD	726
AUDIOVOX	906				510 512 517 613 902	GE	124 130 136 226
BANG & OLUFSEN	620			UNIVERSAL	310 806		425 429 635 835
BELCOR	002			VICTOR	607	GOLDSTAR	025 236 525
BELL & HOWELL	506 601 701			VIDTECH	002 102 502	GRADIENTE	726
BRADFORD	906					GO-VIDEO	139 438 537
BROKSONIC	215 316					HARLEY DAVIDSON	726
BROKWOOD	002					HARMAN KARDON	025 930
CANDLE	002 019 402 502					HARWOOD	230
CAPEHART	119					HEADQUARTER	428
CELEBRITY	801					HITACHI	136 235 324 336
CENTURION	502						538 629 638 829 834
CETRONIC	805					HI-Q	426
CHANGHONG	023					INSTANT REPLAY	130 226 924
CITIZEN	002 112 319 402 407					INTEQ	525
	502 512 701 805 906					JCL	130 226
CLAIRTONE	003					JC PENNEY	025 130 235 425 428
CLASSIC	023 805						436 525 629 635 834 935
CLP	031					JENSEN	235 629
CLP CLASSIC	009 009 002					JVC	025 235 239
COLORTYME	002 502 602						326 339 428 436
CONCERTO	002 502					KENWOOD	025 235 428 436 725
CONCIERGE	713					KLH	230 237
CONTEC/CONY	003 802					KODAK	130 226 525
	805 902 906					LLOYD	324 726
CRAIG	805 906					LOGIK	230
CROWN	805 906					LXI	525
CURTIS MATTHES	002 103 112 502					AMERICAN HIGH	130 226
	506 512 601 614 701 704					ASHA	425
CXC	805 906					MAGNAVOX	130 226 330
DAEWOO	002 102 110 214						534 536 635 734
	303 311 314 403 407 415						
	502 503 611 614 805 809						
DAYTRON	002 502						
DIMENSA	601 704						
DUMONT	002 713						
DYNASTY	805						
ELEKTRA	701						
ELECTROBAND	003 801						
ELECTROHOME	002 502						
	803 901 914						
EMERSON	002 003 004 005 104						
	105 106 115 117 204 205 206						
	213 304 305 316 319 405 421						
	502 505 506 519 520 604 605						
	705 804 805 903 904 905 906						
RCA, GE, Proscan	RCA, GE, Proscan	Scientific Atlanta	RCA, GE, Proscan	RCA, GE, Proscan	RCA, GE, Proscan	MITSUBISHI	027 031 131 229
N/A	N/A	N/A	N/A	N/A	NAD		625 725 825 826
ALL	ALL	ALL	ALL	ALL		COLORTYME	025
						COLORTYME	531 629 630 730 930
						COLT	230

## VCR, cont.

<b>VCR, cont.</b>	
MONTGOMERY WARD	224 631
MOTOROLA	130 224 226
MTC	324 425 726
MULTITECH	324 425 726 429 230
NEC	025 235 428 526 530
	725 731 831 931 436
NIKKO	525
NOBLEX	425
OLYMPUS	130 226
OPTIMUS	039 224 525
	537 737 837 937
OPTONICA	537 631
ORION	227
PANASONIC	039 130 226
	635 636 937 938
PENTAX	136 629 725 834
PENTEX RESEARCH	025
PHILCO	130 226 330 635
PHILIPS	130 226 330 430 434 439
	536 631 734 738 934 937
PHILIPS/MAGNAVOX	434 934
PILOT	525
PIONEER	132 232 436 629
PORTLAND	026 725 825
PROSCAN	124
PROTEC	230
PULSAR	534
QUARTER	428
QUARTZ	428
QUASAR	039 130 635 636 937
RCA	033 124 130 133 135 136
	226 233 424 424 425 432 532
	629 636 732 832 834 835 837 932
RADIOSHACK	027 029 124 129
	130 224 226 324 335 425 426 428
	525 631 635 726 737 835 837 937
RADIX	525
RANDEX	525
REALISTIC	027 029 124 129
	130 224 226 324 335 425 426
	428 525 631 635 726 737 837 937
RICOH	936
RUNCO	534
SAMSUNG	037 335 425 427
	429 537 624 625 629
SANKY	224 534
SANSUI	235 333 436
SANYO	032 328 425 426 428
SCOTT	325 327 433 625
	626 630 735 927
SEARS	029 129 130 226 330 426
	428 525 629 834 928 935
SHARP	027 224 324 338
	631 637 737 825
SHINTOM	230 337 524 629 936
SHOGUN	425
SIGNATURE	324
SINGER	130 226 230
SONY	034 038 138 238
	524 539 639 838 936
STS	130 226 629 834
SYLVANIA	130 247 324 330
	536 630 635 726 924
SYMPHONIC	225 247 324 726 924
TANDY	324 428
TASHIKO	525
TATUNG	235
TEAC	235 324 726
TECHNICS	130 226
TEKNIKA	130 134 226 324 525 726
TiVo	738 838
TOSHIBA	029 330 433
	625 629 630 735
TOTEVISION	425 525
TMK	425 526 828
UNITECH	425
VECTOR RESEARCH	025 436
	625 725
VICTOR	436
VIDEO CONCEPTS	025 027
	436 625 725
VIDEOSONIC	425
WARDS	027 130 224 226 230
	234 324 425 426 525
	625 629 631 726 735 834
WHITE WESTINGHOUSE	324 924
XR-1000	130 226 230 726
YAMAHA	025 235 428 436
ZENITH	030 036 125 326
	436 437 524 525 534 632
	638 729 824 925 929 936
<b>DVR</b>	
SONIC BLUE REPLAY	938
PHILIPS TiVo	738
SONY TiVo	838
<b>Cable</b>	
ABC	048 148 248 348 747 847 947
ADELPHIA	261
ALLEGRO	054 154
AMERICAST	354
ANTRONIX	448 548
ARCHER	448 548 648 748
AT&T	752
CABLETENNA	448
CABLEVIEW	448
CENTURY	748
CITIZEN	748
COLOUR VOICE	848 948
COMTRONICS	049 149
CONTEC/CONY	249
EASTERN	349
GARRARD	748
GC ELECTRONICS	548
GEMINI	255 449 549
GE	556
GENERAL INSTRUMENT	053 453
	454 552 554 654
	752 754 947 952
HAMLIN	649 749 849
HITACHI	947
HYTEK	847
JASCO	748
JERROLD	048 050 148 254 348
	449 454 552 554 652 747 752 947
MAGNAVOX	150
MEMOREX	250
MOTOROLA	048 050 053 148
	254 348 449 453 454 552 554
	652 654 747 752 754 947 952
MOVIE TIME	350 847
NSC	350 847
OAK	249 550 847
PACE	854
PANASONIC	452 647
PARAGON	250
PHILIPS	150 549 650 748
	750 848 850 948
PHILIPS/MAGNAVOX	055 152
PIONEER	051 451 950
PULSAR	250
RADIO SHACK	055 152 154
RCA	352 647
REALISTIC	548
REGAL	849
REGENCY	349
REMBRANDT	947
RUNCO	250
SAMSUNG	049 151
SCIENTIFIC ATLANTA	155 248
	251 261 351 451 362 462
SIGNAL	049 149
SIGNATURE	947
SL MARX	049
SPRUCER	647
STANDARD COMPONENTS	551
STARCOM	348 449 747
STARGATE	049 449
STAR SIGHT	653
STAR SIGHT CABLE SERVICE	352
STARQUEST	449
STAR TRAK	253
TANDY	651
TELEVIEW	049
TELEWEST	854
TEXSCAN	551
TOCOM	048 751 952
TOSHIBA	250
TUSA	449
TV8	350
UNIKA	448 548 748
UNITED ARTISTS	847
UNITED CABLE	747
UNIVERSAL	448 548 648 748 851
VIDEOWAY	052 150
VIEWSTAR	149 150 350 651
VIDEO TECH	656
ZENITH	054 154 250 353 354 450
	553 653 753 853 951 953 954
<b>Laser Disc</b>	
DENON	132
PIONEER	132
PROSCAN	432
RCA	432
SANYO	933
SONY	933
ZENITH	824

DVD

DVD	043
AIWA	141
AKAI	744
AMES	044 146 347
APEX	744
DAEWOO	046 645 745
DENON	641 743
DIGITREX	146
ELTA	045 145
EMERSON	241
FISHER	243
GE	644
GOLDSTAR	241
GO-VIDEO	244 342
GRADIENTE	143
HITACHI	042 543 545
HITEKER	146
HARMAN/KARDON	344
JVC	242 443
INTEGRA	843
KENWOOD	544 641
KLH	644
KONKA	642 742 842 942
KOSS	143
LASONIC	047
LG	241
MAGNAVOX	441 442
MARANTZ	441 442 241
MICROSOFT	941
MINTEK	644
mitsubishi	841
MUSTEK	744
NAD	944 241
NAKAMICHI	844
ONKYO	843
OPTIMUS	042 545
ORITRON	143
PANASONIC	641 741
PHILIPS	441 442 943
PIONEER	042 545
PROLINE	143
PROSCAN	941
RADIOSHACK	546 945 946
RCA	546 644 941 945 946
SAMSUNG	147 342
SAMPO	343
SANYO	243
SEG	444
SHARP	341
SHERWOOD	144
SHINCO	644
SONY	541
TEAC	042 545
TECHNICS	641 741
TEVION	246 446 646 746 846
THETA DIGITAL	042 545
TOSHIBA	245 346 441
WHARFEDALE	845
YAMAHA	641 643
YAMAKAWA	445
ZENITH	142 241 345

SAT

<b>SAT</b>	<b>CD</b>
AMPLICA .....	159
CHANNEL MASTER .....	359 459 559
CHAPPARAL .....	657 659 757
CHEYENNE .....	757
DRAKE .....	059 360 857
DISH NETWORK .....	067 366 460
.....	464 466 560 660 962
DX ANTENNA .....	458 859
ECHOSPHERE .....	464
ECHOSTAR .....	067 366 460
.....	464 560 660 962
EXPRESSVU .....	067 366 464 962
FUJITSU .....	760 860
GE .....	265 863
GENERAL INSTRUMENTS .....	058 066
.....	158 166 258 665 865 960 965
HITACHI DSS .....	765 864
HUGHES SATELLITE DSS .....	465 564
.....	664 864 964
JERROLD .....	361
JVC .....	466
KENWOOD .....	461
LUXOR .....	561
MAGNAVOX DSS .....	259 565 862
MACOM STATE .....	661
NORSTAT .....	761 861
PACE .....	063 163 266
PANASONIC DSS .....	260 264
PRIMESTAR .....	364 665
PHILIPS .....	259 565 862
PHILIPS/MAGNAVOX .....	259 565 862
PIONEER .....	060
PROSCAN .....	265 863
RCA DSS .....	265 566 866 966
REALISTIC .....	358 961
SAMSUNG .....	061
SHARP .....	062
SIERRA I II III .....	757
DSS SONY .....	160 963
STARCHOICE .....	364 665
STAR SIGHT .....	964
STAR TRAK .....	462
STS .....	458 558 658 758
SUPER GUIDE .....	562
THOMSON .....	063
TOSHIBA .....	858
TOSHIBA DSS .....	064 164 764
UNIDEN .....	762 958
UNIDEN DSS .....	964
VIDEO CIPHER II .....	059
ZENITH .....	059 065 163 165
.....	266 360 857 957

CD

<b>CD</b>	
ADC	667
ADCOM	073 767
AIWA	787 867 885 967
AKAI	173 375 684
AUDIO TECHNICA	168
CALIFORNIA AUDIO LABS	273
CAPETRONIC	568
CARVER	184 268 368 468
CASIO	379
CITIZEN	284
CURTIS MATHES	379
DENON	668
EMERSON	767 868 968
FISHER	169 269 368 369 473
GE	174
GENEXXA	469 573 868 968
GOLDSTAR	673
HARMAN KARDON	669 770
HITACHI	469
INKEL	769
JC PENNEY	379 670
JVC	869 982
KENWOOD	070 170 374
	474 484 969
KRELL	268
KYOCERA	667
LUXMAN	270 370 475 574
LXI	379 868
MAGNAVOX	268 681 774
MARANTZ	268 470 570 874
MCS	379 670
MGA	770
MISSION	268
mitsubishi	770 870
NAD	773 975
NAKAMICHI	071 784 970
NEC	670
NIKKO	168 269 968
NSM	268
ONKYO	171 271 782 873
OPTIMUS	070 076 368 371 376
	468 469 471 571 671 776 868
PANASONIC	273 675 974 683 887
PHILIPS	184 268 774
PIONEER	289 385 469
	573 676 771 871
PROTON	268
QUASAR	273
RADIOSHACK	089 272 280 289
	468 488 571 676
RCA	086 089 181 289 368
	676 767 868 971 973 988
REALISTIC	368 371 469 568
	570 571 767 868 968
ROTEL	268
SAE	268
SAMSUNG	775
SANSUI	072 075 268 868 973
SANYO	172 175 368 473 875
SCOTT	767 868 968
SEARS	070 379 570 868
SHARP	070 569 570
SHERWOOD	272 471 570 587 769
SHURE	670
SONY	081 372 472 681 880
STS	667
SYLVANIA	268
SYMPHONIC	572
TEAC	269 287 570 571 572 672 772
TECHNICS	273 683 887 974
THETA DIGITAL	774
TOSHIBA	773
VICTOR	869
YAMAHA	074 168 286 872 972
ZENITH	080 269 577 674 686

## Audio

AIWA	585	687	786	885
CARVER				184
CITIZEN				284
DENON				383
FISHER				783
GOLDSTAR				278
HARMAN KARDON				082
JVC	583	680	982	
KENWOOD	283	482	484	
				588
MAGNAVOX				884
				969
MARANTZ				083
MITSUBISHI				281
NAD				084
ONKYO				470
OPTIMUS				389
PANASONIC				575
				773
				975
PHILIPS	083	084	184	983
PIONEER				288
				385
				388
				489
RADIOSHACK				077
				188
				189
				197
	282	288	388	488
				489
				589
				980
RCA	181	189	288	373
				384
				388
	489	589	688	779
				788
				878
				888
REALISTIC				883
SANYO				172
SCOTT				478
SHARP				070
				582
				768
SHERWOOD				272
				282
				487
				587
SONY	085	180	185	285
				381
	479	481	581	984
				985
TEAC				187
				287
				382
				387
				672
TECHNICS	088	183	682	780
				983
				987
VENTURER				176
YAMAHA				286
				386
				485
				486
	586	685	781	785
				881
ZENITH				080
				083
				178
				269